



PTO/SB/01 (10-01)

Approved for use through 10/31/2002. OMB 0651-0032

Approved for use through 10-2021  
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**DECLARATION FOR UTILITY OR  
DESIGN  
PATENT APPLICATION  
(37 CFR 1.63)**

Declaration Submitted with Initial Filing       Declaration Submitted after Initial Filing (surcharge (37 CFR 1.16 (e)) required)  
OR

Attorney Docket Number	260385.20004
First Named Inventor	Philip V. Pesavento
<b>COMPLETE IF KNOWN</b>	
Application Number	10 / 719,943
Filing Date	November 21, 2003
Art Unit	2811
Examiner Name	Unknown

**As the below named inventor, I hereby declare that:**

My residence, mailing address, and citizenship are as stated below next to my name.

I believe I am the original and first inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled:

# ISOTOPICALLY ENRICHED PIEZOELECTRIC DEVICES AND METHOD FOR MAKING THE SAME

*(Title of the Invention)*

the specification of which

is attached hereto

OR

was filed on (MM/DD/YYYY)

11/21/2003

as United States Application Number or PCT International

**Application Number**

10/719.943

and was amended on (MM/DD/YYYY)

(if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment specifically referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or (f), or 365(b) of any foreign application(s) for patent, inventor's or plant breeder's rights certificate(s), or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent, inventor's or plant breeder's rights certificate(s), or any PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY)	Priority Not Claimed	Certified Copy Attached?	
				YES	NO
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Attn: \_\_\_\_\_ for issue application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto.

[Page 1 of 2]

Burden Hour Statement: This form is estimated to take 21 minutes to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

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**DECLARATION — Utility or Design Patent Application**

Direct all correspondence to:  Customer Number  
 or Bar Code Label  OR  Correspondence address below

Name **Eugene LeDonne, Esq**

Address **Reed Smith, LLP  
599 Lexington Avenue, 29th Floor**

City <b>New York</b>	State <b>NY</b>	ZIP <b>10022</b>
Country <b>US</b>	Telephone <b>212-521-5400</b>	Fax <b>212-521-5450</b>

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

NAME OF SOLE OR FIRST INVENTOR :		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle [if any]) <b>Philip V.</b>		Family Name or Surname <b>Pesavento</b>	
Inventor's Signature <i>Philip Pesavento</i>	Date <b>6/22/04</b>		
Residence: City <b>Fairmont</b>	State <b>WV</b>	Country <b>US</b>	Citizenship <b>US</b>
Mailing Address <b>1333 Overhill Road</b>			
City <b>Fairmont</b>	State <b>WV</b>	ZIP <b>26554</b>	Country <b>US</b>
NAME OF SECOND INVENTOR:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle [if any])		Family Name or Surname	
Inventor's Signature	Date		
Residence: City	State	Country	Citizenship
Mailing Address			
City	State	ZIP	Country
<input type="checkbox"/> Additional inventors are being named on the <input type="text"/> supplemental Additional Inventor(s) sheet(s) PTO/SB/02A attached hereto.			



Please type a plus sign (+) inside this box



PTO/SB/81 (02-01)

Approved for use through 10/31/2002. OMB 0651-0035

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## POWER OF ATTORNEY OR AUTHORIZATION OF AGENT

Application Number	10/719,943
Filing Date	November 21, 2003
First Named Inventor	P. Pesavento
Title	Isotopically Enriched Piezoelectric Devices And Method For Making Same
Group Art Unit	Unknown
Examiner Name	Unknown
Attorney Docket Number	260385.20004

I hereby appoint:

Practitioners at Customer Number

026418

Place Customer Number Bar Code Label here

OR

Practitioner(s) named below:

Name	Registration Number

as my/our attorney(s) or agent(s) to prosecute the application identified above, and to transact all business in the United States Patent and Trademark Office connected therewith.

Please change the correspondence address for the above-identified application to:

The above-mentioned Customer Number.

OR

Practitioners at Customer Number

Place Customer Number Bar Code Label here

OR

Firm or Individual Name

Eugene LeDonne, Esq.

Address

Reed Smith, LLP

Address

599 Lexington Avenue, 29th Floor

City

New York

State

NY

Zip

10022

Country

US

Telephone

212-521-5402

Fax

212-521-5450

I am the:

Applicant/Inventor.

Assignee of record of the entire interest. See 37 CFR 3.71.  
*Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96).*

### SIGNATURE of Applicant or Assignee of Record

Name	Paul E. Parker, III
Signature	
Date	6/22/2004

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below\*.

\*Total of One forms are submitted.

Burden Hour Statement: This form is estimated to take 3 minutes to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.



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PTO/SB/82 (10-00)

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## REVOCATION OF POWER OF ATTORNEY OR AUTHORIZATION OF AGENT

Application Number	10/719,943
Filing Date	November 21, 2003
First Named Inventor	P. Pesavento
Group Art Unit	Unknown
Examiner Name	Unknown
Attorney Docket Number	260385.20004

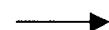
I hereby revoke all previous powers of attorney or authorizations of agent given in the above-identified application:

A Power of Attorney or Authorization of Agent is submitted herewith.

OR

Please change the correspondence address for the above-identified application to:

Customer Number



Place Customer  
Number Bar Code  
Label here

OR

<input type="checkbox"/> Firm or Individual Name			
Address			
Address			
City			
Country	State	ZIP	
Telephone	Fax		

I am the:

Applicant/Inventor.

Assignee of record of the entire interest. See 37 CFR 3.71.  
*Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96)*

### SIGNATURE of Applicant or Assignee of Record

Name	Paul E. Parker, III, Esq.
Signature	
Date	6/22/2004

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below\*.

\*Total of One forms are submitted.

Burden Hour Statement: This form is estimated to take 3 minutes to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.



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**STATEMENT UNDER 37 CFR 3.73(b)**

Applicant/Patent Owner: Institute For Scientific Research, Inc.

Application No./Patent No.: 10/719,943 Filed/Issue Date: November 21, 2003

Entitled: Isotopically Enriched Piezoelectric Devices And Method And Method For Making The Same

Institute For Scientific Research, Inc. , a\_ West Virginia Corporation  
(Name of Assignee) (Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

- the assignee of the entire right, title, and interest; or
- an assignee of less than the entire right, title and interest.

The extent (by, percentage) of its ownership interest is \_\_\_\_\_ %

in the patent application/patent identified above by virtue of either:

A.  An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_ Frame \_\_\_\_\_, or for which a copy thereof is attached.

OR

B.  A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

1. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the United States Patent and Trademark Office at  
Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

2. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the United States Patent and Trademark Office at  
Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

3. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the United States Patent and Trademark Office at  
Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

Additional documents in the chain of title are listed on a supplemental sheet.

Copies of assignments or other documents in the chain of title are attached.

[NOTE]: A separate copy (i.e., the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.08

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

6/22/2004

Date

Paul E. Parker, III

Typed or printed name

Signature

Vice President For Contracts And Administration, Secretary and General Counsel

Title

## BEST AVAILABLE COPY

Form PTO-1595

(Rev. 03/01)

MB No. 0651-0027 (exp. 5/31/2002)

## RECORDATION FORM COVER SHEET

U.S. DEPARTMENT OF COMMERCE  
U.S. Patent and Trademark Office

## PATENTS ONLY

Tab settings ⇠ ⇢ ⇢ ⇣ ⇣ ⇣ ⇣ ⇣ ⇣ ⇣

To the honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):  
Phillip V. Pesavento

2. Name and address of receiving party(ies)

Name: Institute for Scientific Research, Inc.  
Internal Address: \_\_\_\_\_Additional name(s) of conveying party(ies) attached?  Yes  No

3. Nature of conveyance:

Assignment       Merger  
 Security Agreement       Change of Name  
 Other \_\_\_\_\_

Execution Date: 11/25/2002Street Address: 320 Adams Street

P.O. Box 2720

City: Fairmont State: WV Zip: 26555-2720Additional name(s) & address(es) attached?  Yes  No

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: December 2, 2002

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached?  Yes  No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Monika J. HussellJackson Kelly PLLC

Internal Address: \_\_\_\_\_

Street Address: 1600 Laidley Tower500 Lee Street EastCity: Charleston State: WV Zip: 253016. Total number of applications and patents involved: 17. Total fee (37 CFR 3.41). . . . . \$ 40.00 Enclosed Authorized to be charged to deposit account

8. Deposit account number:

(Attach duplicate copy of this page if paying by deposit account)

## DO NOT USE THIS SPACE

9. Statement and signature.

*To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.*Monika J. Hussell

Name of Person Signing

*Monika J. Hussell*

Signature

December 2, 2002

Date

Total number of pages including cover sheet, attachments, and documents: 3Mail documents to be recorded with required cover sheet information to:  
Commissioner of Patents & Trademarks, Box Assignments

Washington, D.C. 20231

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ASSIGNMENT OF INTELLECTUAL PROPERTY RIGHTS

This Assignment of Intellectual Property Rights (this "Assignment"), dated as of this 25<sup>th</sup> day of November, 2002, by Philip V. Pesavento ("Inventor"), to Institute for Scientific Research, Inc., a West Virginia corporation with its principal office located at 320 Adams Street, P.O. Box 2720, Fairmont, WV 26555-2066 ("Assignee").

RECITALS

a. Inventor has invented certain new and useful improvements in piezoelectric applications for isotopically-enriched materials such as, but not limited to, isotopically-enriched quartz, identified and described in the attached Exhibit A (the "Invention").

b. Assignee desires to acquire all right, title and interest in the Invention and in letters patent of the United States and foreign countries that may be granted on the Invention.

c. Inventor is assigning all his right, title and interest in the Invention and in letters patent of the United States and foreign countries that may be granted on the Invention in accordance with the Employee Confidentiality and Inventions Agreement executed by Inventor on August 15, 2002.

NOW, THEREFORE, based upon good and valuable consideration, the receipt of which is acknowledged by Inventor, the parties agree as follows:

1. **Assignment.** Inventor hereby assigns to Assignee the entire right, title and interest in the Invention and in any improvements on the Invention previously or in the future made or acquired by Inventor, and to all rights of priority to the same pursuant to the International Convention for the Protection of Industrial Property; and in any patents on the Invention or the improvements that may be granted in the United States or any foreign country, and in any applications for such patent, and to each reissue or extension of the patent.

2. **Cooperation.** Inventor agrees to cooperate with Assignee such that Assignee may enjoy to the fullest extent the rights conveyed under this Assignment. Included within the scope of this duty is cooperation in such proceedings involving the United States and foreign applications and patents as opposition, cancellation proceedings, priority contests, interferences, public use proceedings, court actions and the like.

3. **Parties.** The terms and provisions of this Assignment shall inure to the benefit of Assignee, Assignee's successors and assigns, and shall be binding on Inventor, his heirs, legal representatives and assigns.

**BEST AVAILABLE COPY**

4. **Inventor's Warranty.** Inventor represents and warrants that he has not entered into any assignment, contract or understanding in conflict with the terms and provisions of this Assignment in their entirety.

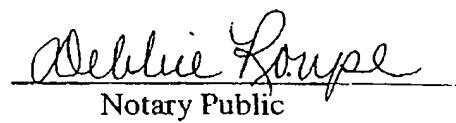
IN WITNESS WHEREOF, Inventor hereby executes this Assignment, intending to be legally bound hereby.

  
Philip V. Pesavento

STATE OF WEST VIRGINIA,

COUNTY OF MARION,

Before me personally appeared Philip V. Pesavento and acknowledged the foregoing instrument to be his free act and deed on November 25, 2002.

  
Debbie Roupe  
Notary Public

{Seal}

